

## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/089,121	05/01/2002	Malcolm Barry James	COLLI.P-33	9085
28752	7590 08/28/2006		EXAM	INER
	ACH SIEGEL, LLP CH SIEGEL BUILDIN	C	CIRIC, LJI	LJANA V
1 CHASE RO		J	ART UNIT	PAPER NUMBER
SCARSDAL	E, NY 10583		3753	
			DATE MAILED: 08/28/200	6

Please find below and/or attached an Office communication concerning this application or proceeding.

Application No.   Applicant(s)	ess ed course. THIS e at the initiative
Notice of Allowability    Examiner	ess ed course. THIS e at the initiative
Ljijjana (Lii) V. Ciric 3753  The MAILING DATE of this communication appears on the cover sheet with the correspondence addr All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not include nerewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issuit fite Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.  1. A chrowled claim(s) is/are 57-77.79-82 and 85-88.  3. A cknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some* c) None of the:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No.  3. Copies of the certified copies of the priority documents have been received in this national stage applicant International Bureau (PCT Rule 17.2(a)).  * Certified copies not received:  Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the renoted below. Failure to timely comply will result in ABANDONMENT of this application.  THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.  4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or Note Through Patent Application to Patent Application to Paper No./Mail Date  1) hereto or 2) to Paper No./Mail Date  1) hereto or 2) to Paper No./Mail Date  1) hereto or 3 to Paper No./Mail Date  1) he	ed course. <b>THIS</b> e at the initiative <u>906</u> .
The MAILING DATE of this communication appears on the cover sheet with the correspondence addr All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not includ nerewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issu of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.  1. ☐ This communication is responsive to the replies filed 20 December 2004, 5 May 2006, and the interview of 24 July 2  2. ☐ The allowed claim(s) is/are 57-77,79-82 and 85-88.  3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) ☐ All b ☐ Some* c ☐ None of the:  1. ☐ Certified copies of the priority documents have been received.  2. ☐ Certified copies of the priority documents have been received in Application No. ☐  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application.  Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the renoted below. Failure to timely comply will result in ABANDONMENT of this application.  THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.  4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or N INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.  5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.  (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached  1) ☐ hereto or 2) ☐ to Paper No./Mail Date  (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date  (b) ☐ Including changes required by the attached Examiner's Amendment / Comment or in the drawings in the front (not the e	ed course. <b>THIS</b> e at the initiative <u>906</u> .
All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not include nerewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issulate the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.  1. A This communication is responsive to the replies filed 20 December 2004, 5 May 2006, and the interview of 24 July 2015. The allowed claim(s) is/are 57-77,79-82 and 85-88.  3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some C) None of the:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No.  3. Copies of the certified copies of the priority documents have been received in this national stage application international Bureau (PCT Rule 17.2(a)).  * Certified copies not received:  Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the renoted below. Failure to timely comply will result in ABANDONMENT of this application.  THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.  4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NINFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.  5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.  (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached  1) hereto or 2) to Paper No./Mail Date  (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date  (contribution indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the each sheet. Replacement sheet(s) should be labeled as such in t	ed course. <b>THIS</b> e at the initiative <u>906</u> .
2.	
Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) ☑ All b) ☐ Some* c) ☐ None of the:  1. ☐ Certified copies of the priority documents have been received.  2. ☐ Certified copies of the priority documents have been received in Application No  3. ☑ Copies of the certified copies of the priority documents have been received in this national stage applicational Bureau (PCT Rule 17.2(a)).  * Certified copies not received:  Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the renoted below. Failure to timely comply will result in ABANDONMENT of this application.  THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.  4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NINFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.  5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.  (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached  1) ☐ hereto or 2) ☐ to Paper No./Mail Date  (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date  Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).	tion from the
a) \[ All \] b) \[ Some* c) \[ None \] of the:  1. \[ Certified copies of the priority documents have been received. 2. \[ Certified copies of the priority documents have been received in Application No. \[ 3. \] Copies of the certified copies of the priority documents have been received in this national stage application international Bureau (PCT Rule 17.2(a)).  * Certified copies not received: \[ \] .  Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the renoted below. Failure to timely comply will result in ABANDONMENT of this application.  THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.  4. \[ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or Note the Informal Patent Application (PTO-152) which gives reason(s) why the oath or declaration is deficient.  5. \[ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.  (a) \[ \] including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached  1) \[ \] hereto or 2) \[ \] to Paper No./Mail Date \[ \] .  (b) \[ \] including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \[ \] .  Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).	lion from the
1. ☐ Certified copies of the priority documents have been received. 2. ☐ Certified copies of the priority documents have been received in Application No 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage applica International Bureau (PCT Rule 17.2(a)).  * Certified copies not received:  Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the renoted below. Failure to timely comply will result in ABANDONMENT of this application.  THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NINFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.  5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.  (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached  1) ☐ hereto or 2) ☐ to Paper No./Mail Date  (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date  Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).	lion from the
2. Certified copies of the priority documents have been received in Application No  3. Copies of the certified copies of the priority documents have been received in this national stage application.  International Bureau (PCT Rule 17.2(a)).  * Certified copies not received:  Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the renoted below. Failure to timely comply will result in ABANDONMENT of this application.  THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.  4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NINFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.  5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.  (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached  1) hereto or 2) to Paper No./Mail Date  (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date  Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).	lion from the
3. Copies of the certified copies of the priority documents have been received in this national stage application and the copies not received:  Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the renoted below. Failure to timely comply will result in ABANDONMENT of this application.  THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.  4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or Note INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.  5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.  (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached  1) hereto or 2) to Paper No./Mail Date  (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date  (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date  (c) Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).	tion from the
International Bureau (PCT Rule 17.2(a)).  * Certified copies not received:  Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the renoted below. Failure to timely comply will result in ABANDONMENT of this application.  THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.  4.  A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NINFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.  5.  CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.  (a)  including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached  1)  hereto or 2)  to Paper No./Mail Date  (b)  including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date  Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).  5.  DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted.	tion from the
* Certified copies not received:  Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the renoted below. Failure to timely comply will result in ABANDONMENT of this application.  THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.  4.  A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or Note INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.  5.  CORRECTED DRAWINGS (as "replacement sheets") must be submitted.  (a)  including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached  1)  hereto or 2)  to Paper No./Mail Date  (b)  including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date  Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).  5.  DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted.	
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the renoted below. Failure to timely comply will result in ABANDONMENT of this application.  THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.  4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or Note INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.  5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.  (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached  1) hereto or 2) to Paper No./Mail Date  (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date  Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).	
noted below. Failure to timely comply will result in ABANDONMENT of this application.  THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.  4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or Note INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.  5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.  (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached  1) hereto or 2) to Paper No./Mail Date  (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date  Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).  5. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted.	
INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.  CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.  (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached  1) hereto or 2) to Paper No./Mail Date  (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date  Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).	quirements
<ul> <li>(a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached</li> <li>1) hereto or 2) to Paper No./Mail Date</li> <li>(b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date</li> <li>Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).</li> <li>DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted.</li> </ul>	OTICE OF
<ul> <li>(a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached</li> <li>1) hereto or 2) to Paper No./Mail Date</li> <li>(b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date</li> <li>Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).</li> <li>DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted.</li> </ul>	
<ul> <li>(b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date</li> <li>Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).</li> <li>DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted.</li> </ul>	
Paper No./Mail Date  Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).  DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted.	
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).  5. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted.	
	back) of
	Note the
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 5. ☐ Notice of Informal Patent Application (PT	·
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)  6. ☐ Interview Summary (PTO-413),	)-152)
Paper No./Mail Date	D-152)
Paper No./Mail Date 8. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), 7. ☒ Examiner's Amendment/Comment	D-152)
Paper No./Mail Date  4. Examiner's Comment Regarding Requirement for Deposit  of Biological Material  A. (a)	D-152) 2/0/6

Ljiljana (Lil) V. Ciric Primary Examiner Art Unit: 3753

9. Other \_\_\_\_

Application/Control Number: 10/089,121 Page 2

Art Unit: 3753

## **EXAMINER'S AMENDMENT**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

1. The application has been amended as follows:

## In the specification:

Page 1, line 7: Delete "a previous Patent Application" and replace with –previous U.S. Patent Application 09/719,136 (filed on April 4, 2001 and published as International Publication WO 99/64218 on December 16, 1999)--.

Page 1, between lines 10 and 11: Delete the paragraph inserted on page 1, between lines 10 and 11 via the preliminary amendment filed on 22 March 2002: "The previous patent application referred to in line 7 of the above paragraph and in line 17 of Page 14 is U.S. Patent Application Serial No. 09/719,136 filed in the United States on April 4, 2001 and was published in International Publication number WO 99/64218 on December 16, 1999."

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ljiljana (Lil) V. Ciric whose telephone number is 571-272-4909. The examiner works a flexible work schedule and can normally be reached on most weekdays between 11 am and 6:30 pm.

Application/Control Number: 10/089,121 Page 3

Art Unit: 3753

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eric Keasel can be reached on 571-272-4929. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Ljiljana (Lil) V. Ciric Primary Examiner Art Unit 3753